

Application No. 09/862,905

AMENDMENTS TO THE CLAIMS

16. (Currently Amended) A roof ventilator, comprising:

a top panel; and

at least one ventilator section comprising a ventilator first panel and an interconnected ventilator second panel,

said at least one ventilator section in parallel abutting contact with the top panel, the top panel and said ventilator first and second panel comprising first and second planar plies and an intermediate ply disposed between the first and second planar plies such that the first and second planar plies and intermediate ply define a multiplicity of air passages extending generally transversely to a roof ventilator longitudinal axis.

said at least one ventilator section and the top panel defining a ventilator interior region and a ventilator exterior region surrounding the roof ventilator,

the top panel defining a recessed area in which the top panel first planar ply and at least a portion of the top panel intermediate ply have been removed, the recessed area being generally non-linear in cross section and exposing at least a portion of the air passages in the top panel such that the ventilator interior region is in fluid communication with the ventilator exterior region through the recessed area and the air passages.

17. (Previously Presented) The roof ventilator of claim 16, in which a pair of ventilator sections are present.

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18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel, the top panel and each said first panel, second panel, and third panel in parallel abutting contact, each said third panel including first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to the roof ventilator longitudinal axis are defined.

22. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel, the third panel including first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to the roof ventilator longitudinal axis are defined, the top panel and each said first, second, and third ventilator panel being defined by generally linear series of perforations extending generally parallel to the ventilator longitudinal axis.

23. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel, the third panel including first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages

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extending generally transversely to the roof ventilator longitudinal axis are defined, the top panel and each said first, second, and third ventilator panel being defined by slits extending generally parallel to the roof ventilator longitudinal axis, each of said slits formed by severing one of the first and second planar plies and the intermediate ply.

24. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel and a fourth panel, the top panel and each said first, second, third, and fourth panel in parallel abutting contact, each said third and fourth panel comprising first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to the roof ventilator longitudinal axis are defined, the top panel and each said first, second, third and fourth panel being defined by perforations extending generally parallel to the roof ventilator longitudinal axis.

25. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel and a fourth panel, each said fourth panel including first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to the roof ventilator longitudinal axis are defined, the top panel and each said first, second, third and fourth panel being defined by slits extending generally parallel to the roof ventilator longitudinal axis.

26. (Previously Presented) The roof ventilator of claim 17, each ventilator section further comprising a third panel and a fourth panel, each said third and fourth panel including first and

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second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to the roof ventilator longitudinal axis are defined, the top panel and each said first, second, third and fourth panel being defined by slits extending generally parallel to the roof ventilator longitudinal axis, the slits formed by severing one of the first and second planar plies and the intermediate ply.

27. (Original) The roof ventilator of claim 17, in which the ventilator section air passages and the top panel air passages extend generally perpendicularly to the roof ventilator longitudinal axis.

28. (Original) The roof ventilator of claim 17, in which the portion of the top panel first planar ply adjoining the recessed area defines a generally linear recessed area edge.

29. (Original) The roof ventilator of claim 17, in which the recessed area generally coincides with a longitudinal axis of the top panel.

30. (Original) The roof ventilator of claim 17, in which the intermediate plies within the top panel recessed area define a generally oval-shaped path.

31. (Original) The roof ventilator of claim 17, in which the intermediate plies within the top panel recessed area define a generally nonlinear path.

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32. (Original) The roof ventilator of claim 17, the recessed area being bounded by edges, the intermediate plies within the top panel recessed area having a minimum height and a maximum height, the minimum height being disposed where all or a maximum portion of the intermediate ply has been removed, the maximum height being adjacent each said edge of the recessed area.

33. (Previously Presented) The roof ventilator of claim 32, in which the intermediate ply minimum height generally coincides with a top panel longitudinal axis.

34. (Original) A roof in combination with the roof ventilator of claim 17, the roof with a peak and an opening generally coinciding with the roof peak, the roof ventilator attached to the roof such that air from inside the roof can pass from the ventilator interior region, through the roof ventilator, and into the roof ventilator exterior region, via the roof ventilator top panel air passages and each said ventilator section air passages.

35. (Withdrawn) A method of ventilating a building attic, the method comprising:
placing a vent over a roof opening such that air can pass from the attic, through the ventilator to outside the attic, the vent comprising:

a top panel comprising first and second planar plies and an intermediate ply disposed between the first and second planar plies, the first and second planar plies and second panel intermediate ply defining air passages extending generally transversely to the roof ventilator longitudinal axis, and

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a pair of ventilator sections, each said ventilator section configured for parallel abutting contact with a first surface of the top panel and comprising a first panel, each first panel comprising first and second planar plies and an intermediate ply disposed between the first and second planar plies such that air passages extending generally transversely to a roof ventilator longitudinal axis are defined,

the top panel and each said ventilator section defining a ventilator interior region and the top panel defining a ventilator exterior region, the ventilator interior region generally bounded by the ventilator sections and one of the top panel planar plies, the ventilator exterior region bounded by the other of the top panel planar plies,

the top panel defining an area generally arcuate in cross section in which the top panel first planar ply and at least a portion of the top panel intermediate ply have been removed, the recessed area exposing at least a portion of the air passages in the top panel such that the ventilator interior region is in fluid communication with the ventilator exterior region through the air passages; and
attaching the roof ventilator to the roof.

36. (Withdrawn) The method of claim 35, in which attaching the roof ventilator to the roof comprises driving fasteners through the ventilator sections into the roof.

37. (Withdrawn) The method of claim 35, in which attaching the roof ventilator to the roof comprises driving nails through the ventilator sections into the roof.

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38. (Withdrawn) The method of claim 35, further comprising covering the roof ventilator with shingles.

39. (Withdrawn) The method of claim 35, further comprising covering the roof ventilator with tiles.

40. (Withdrawn) A method of making a roof ventilator, comprising:
providing a quantity of material comprising first and second planar plies and an intermediate ply, the first and second planar plies and second intermediate ply defining a multiplicity of air passages;
forming a top panel and a pair of ventilator section first panels from the material such that the air passages extend generally transversely to a top panel longitudinal axis; and
defining a recessed area by removing a portion of the top panel, the recessed area being generally arcuate in cross section.

41. (Withdrawn) The method of claim 40, in which a generally linear recessed area is defined.

42. (Withdrawn) The method of claim 41, in which defining the recessed area comprises removing the first planar ply and a portion of the intermediate ply.

43. (Withdrawn) The method of claim 42, in which the recessed area substantially coincides with a top panel longitudinal axis.

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44. (Withdrawn) The method of claim 42, further comprising forming a pair of ventilator section second panels from the material such that the air passages extend generally transversely to ventilator section longitudinal axis.

45. (Withdrawn) The method of claim 41, in which the top panel and ventilator section first panels are formed by generally linear series of perforations, the ventilator section first panels hinged to the top panel at the perforations.

46. (Withdrawn) The method of claim 41, in which the top panel and ventilator section first panels are formed by slits extending through the second planar ply and the intermediate ply, the ventilator section first panels hinged to the top panel by the intact first planar ply adjacent the slits.

47. (Withdrawn) The method of claim 44, in which the ventilator section second panels are formed by generally linear series of perforations, the ventilator second panels hinged to the ventilator first panels at said perforations.

48. (Withdrawn) The method of claim 44, in which the ventilator section second panels are formed by slits extending through one of said planar plies and the intermediate ply.

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49. (Currently Amended) A ventilator for a roof peak, comprising first and second ventilator sections generally symmetrically extending outboard from a substantially longitudinal center line, each of said first and second ventilator sections comprising interconnected first and second panels, each of said first and second panels comprising a corrugated material defining a multiplicity of air passages and a plurality of apertures, each said first panel and second panel in a contacting stacked relationship, each of said air passages conducting air from inside the roof peak to outside the roof peak, each of said apertures extending generally transversely with respect to the multiplicity of air passages, each of said apertures further extending substantially through said first and second panels so as to interrupt at least a portion of said multiplicity of air passages.

50. (Canceled)

51. (Currently Amended) The ventilator of claim 49, in which said pluralities of first layer apertures are generally aligned with a corresponding one of said second layer apertures.

52. (Previously Presented) The ventilator of claim 51, in which the first and second layers are longitudinally interconnected.

53. (Canceled)

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54. (Previously Presented) The ventilator of claim 49, in which substantially all of said multiplicity of air passages is interrupted by said plurality of apertures.

55. (Canceled)

56. (Previously Presented) The ventilator of claim 54, in which the corrugated sheet material comprises plastic.

57. (Canceled)

58. (Previously Presented) The ventilator of claim 56, in which each said first and second panels are interconnected by slit-scoring.

59. (Currently Amended) The ventilator of claim 56, in which each said first and second panels are interconnected by nick-scoring.

60. (Previously Presented) A roof comprising the ventilator of claim 49 operably present at a peak of said roof.

61. (Withdrawn) A process of forming a ventilator for a peak of a roof, comprising forming a pair of ventilator sections extending generally symmetrically from a ventilator centerline, each of said pair of ventilator sections comprising a multiplicity of air passages conveying air from

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inside the roof peak to outside the roof peak, each of said pair of ventilator sections further comprising a plurality of apertures, a portion of said multiplicity of air passages interrupted by said plurality of apertures, each of said apertures extending substantially transversely with respect to said multiplicity of air passages.

62. (Withdrawn) The process of claim 61, in which each of said pair of ventilator sections comprises a first ventilator section layer and a second ventilator section layer and in which said first and second ventilator section layers are formed so that each of said plurality of apertures formed in the first ventilator section layer aligns with one of said plurality of vent apertures, formed in the second ventilator section layer.

63. (Withdrawn) The process of claim 61, in which each of said pair of ventilator sections comprises a plurality of longitudinally interconnected ventilator section layers and in which forming said pair of ventilator sections comprises disposing said ventilator section layers in a stacked relationship.

64. (Withdrawn) The process of claim 63, in which each of said pair of ventilator sections is formed from a blank of corrugated material.

65. (Withdrawn) The process of claim 63, in which each of said pair of ventilator sections is formed from a blank of double-faced corrugated plastic material.

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66. (Withdrawn) The process of claim 61, in which each of said pair of ventilator sections is formed from a blank of corrugated material.

67. (Withdrawn) The process of claim 61, in which each of said pair of ventilator sections is formed from a blank, said blank comprising a corrugated ply disposed between a pair of generally planar plies.

68. (Withdrawn) The process of claim 61, in which each of said pair of ventilator sections is formed from a blank of double-faced corrugated plastic material.

69. (Withdrawn) The process of claim 61, in which said multiplicity of air passages extend generally perpendicularly to said ventilator centerline.

70. (Withdrawn) The process of claim 69, in which said multiplicity of air passages are generally parallel.